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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/539,266	03/30/2000	Vipin Samar	OR99-17401	8991

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PARK, VAUGHAN & FLEMING LLP  
508 SECOND STREET  
SUITE 201  
DAVIS, CA 95616

EXAMINER
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ENGLAND, DAVID E

ART UNIT	PAPER NUMBER
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2143

16

DATE MAILED: 11/13/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/539,266

Applicant(s)

SAMAR, VIPIN

Examiner

David E. England

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 02 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1 - 10, 13 - 22 and 25 - 33 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 - 10, 13 - 22 and 25 - 33 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### **DETAILED ACTION**

1. Claims 1 – 10, 13 – 22 and 25 – 33 are presented for examination.

#### ***Claim Objections***

1. Claim 1 is objected to because of the following informalities: The phrase of, “to go through a time-consuming process of setting up a new”, on page 3 of the “Amendments To The Claims”, appears to be typographically repeated on page 4. Appropriate correction is required.

#### ***Claim Rejections - 35 USC § 112***

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:  
  
The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
3. Claims 1, 13 and 25 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
4. The term "time-consuming process", in claims 1, 13 and 25, is a relative term which renders the claim indefinite. The term "time-consuming process " is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention. The

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Applicant could use the phrases of, “utilizing the same communication session” or “without setting up a new communication session”, but could require further search and consideration.

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1 – 5, 9, 13 – 17, 21 and 25 – 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Devarakonda et al. (6424992) (hereinafter Devarakonda) in view of Courts et al. (6085220) (hereinafter Courts).

7. Referencing claim 1, Devarakonda teaches receiving a message from the client at a first server n the plurality of servers, the message including a session identifier that identifies a secure communication session with the client, (e.g. col. 3, lines 27 – 55 & col. 4, line 41 – col. 5, line 12); and

8. if the session identifier does not correspond to an active secure communication session on the first server, establishing an active secure communication session with the client on the first server by, (e.g. col. 3, lines 27 – 55 & col. 4, line 41 – col. 5, line 12),

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9. attempting to retrieve state information associated with the session identifier for an active secure communication session between the client and a second server from the plurality of servers, (e.g. col. 9, lines 5 – 32),

10. if the state information for the active secure communication session is retrieved, using the state information to establish the active secure communication session with the client without having to communicate with the client, whereby the secure communication session is transferred from the client and the second server to the client and the first server, (e.g. col. 3, lines 27 – 55 & col. 4, line 41 – col. 5, line 12), maintaining any related cryptography, (e.g. col. 3, line 35 – col. 4, line 4), and

11. if the state information for the active secure communication session is not retrieved, communicating with the client to establish the active secure communication session with the client, (e.g. col. 3, lines 27 – 55 & col. 4, line 41 – col. 5, line 12), but does not specifically teach without having to through a time-consuming process of setting up a new communication session.

12. Courts teaches utilizing the communication session without having to through a time-consuming process of setting up a new communication session, (e.g. col. 7, line 25 – col. 8, line 64, “*global session server*”, “*the new session data for that SID (session ID) is again available for access*”). It would have been obvious to one skilled in the art at the time the invention was made to combine the teaches of Courts with Devarakonda because when one uses the same session ID for every network transaction, the user could be unlawfully probed by outside users, “hackers” and information could be taken about the user. Utilizing cryptography for multiple server using the same session ID, for example, passing through a firewall, would provide

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difficulty in the hackers attempts to gather information about the user, therefore, providing a safer network environment for the user.

13. Referencing claim 2, Devarakonda teaches attempting to retrieve the state information includes:

14. attempting to use the session identifier to identify the second server in the plurality of servers that has an active secure communication session with the client that corresponds to the session identifier, (e.g. col. 4, line 58 – col. 5, line 12 & col. 9, lines 5 – 32); and

15. attempting to retrieve the state information from the second server, (e.g. col. 4, line 58 – col. 5, line 12 & col. 9, lines 5 – 32).

16. Referencing claim 3, Devarakonda teaches attempting to retrieve the state information involves attempting to retrieve the state information from a centralized repository that is in communication with the plurality of servers, (e.g. col. 8, line 53 – col. 9, line 32).

17. Referencing claim 4, Devarakonda teaches the centralized repository includes a database for storing the state information, (e.g. col. 3, line 27 – col. 5, line 12 & col. 8, line 53 – col. 9, line 32).

18. Referencing claim 5, Devarakonda teaches establishing the active secure communication session involves establishing a secure sockets layer (SSL) connection with the client, (e.g. col. 3, lines 35 – 55).

19. Referencing claim 9, Devarakonda teaches initially establishing an active secure communication session between the client and the second server, the active secure communication session being identified by the session identifier, (e.g. col. 4, line 58 – col. 5, line 12 & col. 9, lines 5 – 32).

20. Claims 13 – 17, 21 and 25 – 29 are rejected for similar reasons as stated above.

21. Claims 6, 7, 10, 18, 19, 22, 30, 31 and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Devarakonda (6424992) in view of Courts (6085220) in further view of Fielder et al. (6105133) (hereinafter Fielder).

22. As per claim 6, Devarakonda teaches the state information includes:

23. a session encryption key for the secure communication session, (e.g. col. 3, lines 35 – 64);

24. the session identifier for the secure communication session, (e.g. col. 7, line 56 – col. 8, line 34). Devarakonda and Courts do not teach a running message digest for the secure communication session. Fielder teaches a running message digest for the secure communication session, (e.g. col. 2, line 60 – col. 3, line 42). It would have been obvious to one skilled in the art at the time the invention was made to combine Fielder with the combine system of Devarakonda and Courts because it would make the transferring of information more secure because of the

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functionality of running message digest adding a signature to identify and authenticate the sender and message of the transferred information.

25. As per claim 7, Devarakonda and Courts do not teach using the message to update the running message digest; and

26. checkpointing the updated running message digest to a location outside of the first server. Fielder teaches using the message to update the running message digest, (e.g. col. 2, line 60 – col. 3, line 42); and

27. checkpointing the updated running message digest to a location outside of the first server, (e.g. col. 2, line 60 – col. 3, line 42). It would have been obvious to one skilled in the art at the time the invention was made to combine Fielder with the combine system of Devarakonda and Courts because it would be more efficient for the message to update the running message digest so when a server with new information pertaining to state information occurs, the entire network will be able to access this information and utilize it in new secure data transfer, as appose to having to send a separate set of information to update the running message digest on each device, causing more traffic on the network.

28. As per claim 10, Devarakonda and Courts do not teach attempting to retrieve the state information includes authenticating and authorizing the first server. Fielder teaches attempting to retrieve the state information includes authenticating and authorizing the first server, (e.g. col. 1, lines 31 - 44). It would have been obvious to one skilled in the art at the time the invention was made to combine Fielder with the combine system of Devarakonda and Courts because it would



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make a system more secure if the receiver of the information could be authorized to the information by authenticating the information that was sent from the first server. Furthermore, it would make the information more difficult for other system to try and access the information without having the authentication and authorized access to the information.

29. Claims 18, 19, 22, 30, 31 and 33 are rejected for similar reasons as stated above.

30. Claims 8, 20 and 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Devarakonda (6424992) in view of Courts (6085220) in further view of Kennedy et al. (6134582).

31. As per claim 8, Devarakonda and Courts do not teach if the state information for the active secure communication session is retrieved, purging the state information from a location from which the state information was retrieved, so that the state information cannot be subsequently retrieved by another server in the plurality of servers. Kennedy teaches if the state information for the active secure communication session is retrieved, purging the state information from a location from which the state information was retrieved, so that the state information cannot be subsequently retrieved by another server in the plurality of servers, (e.g. col. 1, line 57 – col. 2, line 10). It would have been obvious to one skilled in the art at the time the invention was made to combine Kennedy with the combine system of Devarakonda and Courts because it would be more efficient for a system to free up space on a device that is no longer using that specific information on that particular device.

32. Claims 20 and 32 are rejected for similar reasons as stated above.

***Conclusion***

33. Applicant's arguments with respect to claims 1 – 10, 13 – 22 and 25 – 33 have been considered but are moot in view of the new ground(s) of rejection.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to David E. England whose telephone number is 703-305-5333. The examiner can normally be reached on Mon-Thur, 7:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A. Wiley can be reached on 703-308-5221. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is none.

David E. England  
Examiner  
Art Unit 2143

De 

  
DAVID WILEY  
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